

[Document Name] Abstract

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[Problems]

5 In an optical disk apparatus for mutually recording  
and reproducing a DVD and a CD (CD-R), it is difficult to  
reduce its cost and size because it has a lot of optical  
parts such as a prism.

[Means to Solve]

10 In a optical head, a beam is emitted from a light  
emitting element in which a plurality of light sources are  
integrally formed, the light sources being able to emit  
beams having different wave lengths to one another. An  
optical system converges the beam coming from any one of  
the light sources onto an optical information storage  
15 medium. An optical separator separates a reflected beam  
coming from the optical information storage medium from the  
beam coming from the light source. A light receiving  
element detects light quantities of the reflected beam  
separated by the optical separator.

20 [Selected Drawing] Fig. 1